

a Division of Environmental Management Strategies, Inc.

ATTORNEY-CLIENT WORK PRODUCT PRIVILEGED AND CONFIDENTIAL

May 15, 2009

Alex Wallace Miller, Axline & Sawyer 1050 Fulton Avenue, Suite 100 Sacramento, California 95825

Subject: Soil Gas Survey Data Package Transmittal

Orange County Water District

Mulla

Dear Mr. Wallace:

In accordance with our Standard Agreement for Professional Services, Environmental Support Technologies (EST) is pleased to submit the enclosed soil gas survey data package for the following site:

1. Former Northrop Y19 Site 1401 East Orangethorpe Avenue Fullerton, California (May 7, 2009 Analytical Report)

Should you have any questions or comments please contact me at (949) 679-9500.

Sincerely,

1 of 55

Environmental Support Technologies

Michael Marello, PG, CHG, REA I

Project Manager/Senior Hydrogeologist

David Mark/OCWD cc: EST Project File 2736



ATTORNEY-CLIENT WORK PRODUCT PRIVILEGED AND CONFIDENTIAL

TABLE 1

Summary of Laboratory Analytical Data for Volatile Organic Compounds in Soil Gas Former Northrop Y19 Site, 1401 E. Orangethorpe Avenue, Fullerton CA

05/15/09 EST2736 TCE Sample Date Depth PCE 1,1,1-TCA Other VOCs Number (mm/dd/yy) ft. bgs $(\mu g/L)$ $(\mu g/L)$ $(\mu g/L)$ $(\mu g/L)$ Y19-SG1-10 (1PV) 10 2.3 ND<1 04/30/09 ND<1 ND<1 Y19-SG1-10 (3PV) 10 1.0 ND<1 ND<1 ND<1 04/30/09 Y19-SG1-10 (7PV) 04/30/09 10 1.2 ND<1 ND<1 ND<1 Y19-SG1-20 (1PV) 04/30/09 20 ND<1 ND<1 ND<1 ND<1 Y19-SG1-20 (3PV) 04/30/09 20 ND<1 ND<1 ND<1 ND<1 Y19-SG1-20 (7PV) 20 ND<1 ND<1 ND<1 04/30/09 ND<1 Y19-SG2-10 04/30/09 10 8.3 2.6 ND<1 ND<1 Y19-SG2-20 04/30/09 20 ND<1 17 ND<1 ND<1 10 Y19-SG3-10 04/30/09 1.5 ND<1 ND<1 ND<1 Y19-SG3-20 04/30/09 20 ND<1 ND<1 ND<1 ND<1 Y19-SG4-10 10 04/30/09 2.3 ND<1 ND<1 ND<1 20 ND<1 Y19-SG4-20 04/30/09 ND<1 ND<1 1.0 10 ND<1 ND<1 Y19-SG5-10 04/30/09 2.6 ND<1 Y19-SG5-20 04/30/09 20 ND<1 ND<1 ND<1 ND<1 ND<1 Y19-SG6-10 04/30/09 10 3.0 ND<1 ND<1 Y19-SG6-20 04/30/09 20 ND<1 ND<1 ND<1 ND<1 Y19-SG7-10 ND<1 04/30/09 10 1.7 ND<1 ND<1 Y19-SG7-20 04/30/09 20 ND<1 ND<1 ND<1 ND<1

Explanation

ft. bgs = feet below ground surface (approximate)

PV = purge volume

PCE = tetrachloroethene

TCE = trichloroethene

1,1,1-TCA = 1,1,1-trichloroethane

µg/L = micrograms per liter of soil gas

ND = not detected above reporting limit

Note: EPA 8260B VOCs not listed were not detected



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May 07, 2009

Mr. Michael Marello Environmental Support Technologies 360 Goddard Irvine, California 92618

RE: 1401 East Orangethorpe Avenue, Fullerton

Enclosed are the results of analyses for soil gas samples received by Environmental Support Technologies, Inc. laboratory on 04/30/09 12:59-04/30/09 13:45. The analyses were performed according to the prescribed method as outlined by EPA. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dien H. Nguyen

Dien H. Nguyen Laboratory Director

Environmental Support Technologies laboratories are certified by the California Department of Health Services (CDHS), Environmental Laboratory Accreditation Program (ELAP) No's. 1996, 2511, and 2631.



360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Analyzed
Y19-SG1-10 1(PV)	3D93001-01	Air	30-Apr-09 08:20	30-Apr-09 08:37
Y19-SG1-10 3(PV)	3D93001-02	Air	30-Apr-09 08:50	30-Apr-09 09:02
Y19-SG1-10 7(PV)	3D93001-03	Air	30-Apr-09 09:15	30-Apr-09 09:27
Y19-SG2-10	3D93001-04	Air	30-Apr-09 10:05	30-Apr-09 10:18
Y19-SG3-10	3D93001-05	Air	30-Apr-09 10:30	30-Apr-09 10:43
Y19-SG4-10	3D93001-06	Air	30-Apr-09 10:55	30-Apr-09 11:08
Y19-SG5-10	3D93001-07	Air	30-Apr-09 11:20	30-Apr-09 11:33
Y19-SG6-10	3D93001-08	Air	30-Apr-09 11:45	30-Apr-09 11:58
Y19-SG7-10	3D93001-09	Air	30-Apr-09 12:10	30-Apr-09 12:24
Y19-SG1-20 (1PV)	4D93001-01	Air	30-Apr-09 08:10	30-Apr-09 08:26
Y19-SG1-20 (3PV)	4D93001-02	Air	30-Apr-09 08:35	30-Apr-09 08:51
Y19-SG1-20 (7PV)	4D93001-03	Air	30-Apr-09 09:01	30-Apr-09 09:17
Y19-SG2-20	4D93001-04	Air	30-Apr-09 09:52	30-Apr-09 10:08
Y19-SG3-20	4D93001-05	Air	30-Apr-09 10:18	30-Apr-09 10:34
Y19-SG4-20	4D93001-06	Air	30-Apr-09 10:43	30-Apr-09 11:00
Y19-SG5-20	4D93001-07	Air	30-Apr-09 11:10	30-Apr-09 11:26
Y19-SG6-20	4D93001-08	Air	30-Apr-09 11:37	30-Apr-09 11:53
Y19-SG7-20	4D93001-09	Air	30-Apr-09 12:02	30-Apr-09 12:18



360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG1-10 1(PV) (3D93001-01) Air	Sampled: 04/30/09 08:20	Analyzed:	04/30/09 (08:37					
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG1-10 1(PV) (3D93001-01) Air	Sampled: 04/30/09 08:20	Analyzed:	04/30/09 (08:37					
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	2.3	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	75-	125	"	"	"	"	
Surrogate: Toluene-d8		98.2 %	75-	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.3 %	75-	125	"	"	"	"	



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Environmental Support Technologies Project: 1401 East Orangethorpe Avenue, Fullerton

360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG1-10 3(PV) (3D93001-02) Air	Sampled: 04/30/09 08:50	Analyzed:	04/30/09	09:02					
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	,,	,,	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	,,	"	

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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG1-10 3(PV) (3D93001-02) Air	Sampled: 04/30/09 08:50	Analyzed:	04/30/09	09:02					
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	1.0	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		105 %	75-	-125	"	"	"	"	
Surrogate: Toluene-d8		97.9 %	75-	-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	75-	-125	"	"	"	"	



360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG1-10 7(PV) (3D93001-03) Air	Sampled: 04/30/09 09:15	Analyzed:	04/30/09 (9:27					
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG1-10 7(PV) (3D93001-03) Air	Sampled: 04/30/09 09:15	Analyzed:	04/30/09 0	9:27					
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	1.2	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		105 %	75-	125	"	"	"	"	
Surrogate: Toluene-d8		97.4 %	75-	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.5 %	75-	125	"	"	"	"	



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Volatile Organic Compounds

Environmental Support Technologies

	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG2-10 (3D93001-04) Air	Sampled: 04/30/09 10:05	Analyzed: 04/30/0	9 10:18						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"		"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"		"	
1,2-Dichloroethane	ND	1.0	"	"	"	"		"	
1,2-Dichloropropane	ND	1.0	"	"	"	"		"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"		"	
1,3-Dichloropropane	ND	1.0	"	"	"	"		"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	,,	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND ND	1.0	"	"	"	"	"	"	
Chloromethane	ND ND	1.0	,,	,,	,,	,,	"	"	
cis-1,2-Dichloroethene	ND ND	1.0	,,	,,	,,	,,	"	"	

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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG2-10 (3D93001-04) Air	Sampled: 04/30/09 10:05	Analyzed: 04/30/0	9 10:18						
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	2.6	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	8.3	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethan	ie	104 %	75	5-125	"	"	"	"	
Surrogate: Toluene-d8		99.5 %	75	5-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzen	е	97.0 %	75	5-125	"	"	"	"	



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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG3-10 (3D93001-05) Air	Sampled: 04/30/09 10:30	Analyzed: 04/30/0	9 10:43						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG3-10 (3D93001-05) Air	Sampled: 04/30/09 10:30	Analyzed: 04/30/0	9 10:43						
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0		"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	1.5	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0		"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethan	e	102 %	7.	5-125	"	"	"	"	
Surrogate: Toluene-d8		101 %	7.	5-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	2	97.5 %	7.	5-125	"	"	"	"	



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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG4-10 (3D93001-06) Air	Sampled: 04/30/09 10:55	Analyzed: 04/30/0	9 11:08						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG4-10 (3D93001-06) Air	Sampled: 04/30/09 10:55	Analyzed: 04/30/0	9 11:08						
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
sopropylbenzene	ND	1.0	"	"	"	"	"	"	
neta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
o-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
ert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	2.3	1.0	"	"	"	"	"	"	
Γoluene	ND	1.0	"	"	"	"	"	"	
rans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
rans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethar	пе	95.8 %	75	-125	"	"	"	"	
Surrogate: Toluene-d8		102 %	75	-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzen	e	94.4 %	75	-125	"	"	"	"	



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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG5-10 (3D93001-07) Air	Sampled: 04/30/09 11:20 A	Analyzed: 04/30/0	9 11:33						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"		"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	,,	"	"	"	"	

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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG5-10 (3D93001-07) Air	Sampled: 04/30/09 11:20	Analyzed: 04/30/0	9 11:33						
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	2.6	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethan	e	97.8 %	7.	5-125	"	"	"	"	
Surrogate: Toluene-d8		103 %	7.	5-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	2	99.0 %	7.	5-125	"	"	"	"	



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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG6-10 (3D93001-08) Air	Sampled: 04/30/09 11:45	Analyzed: 04/30/0	9 11:58						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	,,	"	"	"	"	

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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG6-10 (3D93001-08) Air	Sampled: 04/30/09 11:45	Analyzed: 04/30/0	9 11:58						
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
o-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
ert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Fetrachloroethene	3.0	1.0	"	"	"	"	"	"	
Γoluene	ND	1.0	"	"	"	"	"	"	
rans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
rans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Γrichloroethene	ND	1.0	"	"	"	"	"	"	
Γrichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethar	1е	98.2 %	75	5-125	"	"	"	"	
Surrogate: Toluene-d8		103 %	75	5-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzen	e	99.1 %	75	5-125	"	"	"	"	



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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG7-10 (3D93001-09) Air	Sampled: 04/30/09 12:10	Analyzed: 04/30/0	9 12:24						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"		"	
1,2-Dichloroethane	ND	1.0	"	"	"	"		"	
1,2-Dichloropropane	ND	1.0	"	"	"	"		"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"		"	
1,3-Dichloropropane	ND	1.0	"	"	"	"		"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND		"	"	"	"	"	"	
Bromoform	ND		"	"	"	"	"	"	
Bromomethane	ND		"	"	"	"	"	"	
Carbon disulfide	ND		"	"	"	"	"	"	
Carbon tetrachloride	ND		"	"	"	"	"	"	
Chlorobenzene	ND		"	"	"	"	"	"	
Chloroethane	ND		"	"	"	"	"	"	
Chloroform	ND		"	"	"	"	"	"	
Chloromethane	ND		"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		"	"	"	"	"	,,	

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Environmental Support Technologies Project: 1401 East Orangethorpe Avenue, Fullerton

360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG7-10 (3D93001-09) Air	Sampled: 04/30/09 12:10	Analyzed: 04/30/0	9 12:24						
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	39D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	1.7	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethan	ie	96.0 %	7.	5-125	"	"	"	"	
Surrogate: Toluene-d8		103 %	7.	5-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	е	95.6 %	7:	5-125	"	"	"	"	



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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG1-20 (1PV) (4D93001-01) Air	Sampled: 04/30/09 08:10	Analyzed: (04/30/09 0	8:26					
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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Environmental Support Technologies Project: 1401 East Orangethorpe Avenue, Fullerton

360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG1-20 (1PV) (4D93001-01) Air	Sampled: 04/30/09 08:10	Analyzed: (04/30/09 0	8:26					
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		99.9 %	75-	125	"	"	"	"	
Surrogate: Toluene-d8		89.5 %	75-	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	75-	125	"	"	"	"	



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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG1-20 (3PV) (4D93001-02) Air	Sampled: 04/30/09 08:35	Analyzed: (04/30/09 0	8:51					
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	,,	,,	"	,,	,,	,,	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG1-20 (3PV) (4D93001-02) Air	Sampled: 04/30/09 08:35	Analyzed: (04/30/09 08	:51					
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	75-1	25	"	"	"	"	
Surrogate: Toluene-d8		87.7 %	75-1	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.7 %	75-1	25	"	"	"	"	



360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Name	Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1-Trichloroethane	Y19-SG1-20 (7PV) (4D93001-03) Air	Sampled: 04/30/09 09:01	Analyzed:	04/30/09 0	9:17					
	1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
1,12-Trichlorochane	, ,	ND	1.0	"	"	"	"	"	"	
	1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1.1-Dichloroethane	1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
	1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene ND 1,0 " <td>1,1-Dichloroethene</td> <td>ND</td> <td>1.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane ND 1,0 " <td>1,1-Dichloropropene</td> <td>ND</td> <td>1.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene ND 1,0 " <td>1,2,3-Trichlorobenzene</td> <td>ND</td> <td>1.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene ND 1.0 " <td>1,2,3-Trichloropropane</td> <td>ND</td> <td>1.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
	1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromorbane	1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene ND 1,0 "	1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane ND 1.0 "	1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane ND 1.0 " " " " " " " " "	1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene ND 1.0 " <td>1,2-Dichloroethane</td> <td>ND</td> <td>1.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene ND 1.0 "	1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzere ND 1.0 "	1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene ND 1.0 " " " " " " " " "	1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane ND 1.0 "	1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene ND 1.0 "	1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene ND 1.0 "	2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Benzene ND 1.0 "	2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Bromobenzene ND 1.0 "	4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane ND 1.0 "	Benzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane ND 1.0 "	Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromoform ND 1.0 " <t< td=""><td>Bromochloromethane</td><td>ND</td><td>1.0</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<>	Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromomethane ND 1.0 "	Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide ND 1.0 "	Bromoform	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride ND 1.0 "	Bromomethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene ND 1.0 "	Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Chloroethane ND 1.0 "	Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chloroform ND 1.0 " " " " " "	Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chiofolomi ND 1.0	Chloroethane	ND	1.0	"	"	"	"	"	"	
	Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane ND 1.0 " " " " " "	Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene ND 1.0 " " " " " "				"	"	"	"	"	"	

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Environmental Support Technologies Project: 1401 East Orangethorpe Avenue, Fullerton

360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG1-20 (7PV) (4D93001-03) Air	Sampled: 04/30/09 09:01	Analyzed: (04/30/09 0	9:17					
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	75-	125	"	"	"	"	
Surrogate: Toluene-d8		87.9 %	75-	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.0 %	75-	125	"	"	"	"	



360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG2-20 (4D93001-04) Air	Sampled: 04/30/09 09:52	Analyzed: 04/30/0	9 10:08						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND		"	"	"	"	"	"	
Bromoform	ND		"	"	"	"	"	"	
Bromomethane	ND		"	"	"	"	"	"	
Carbon disulfide	ND		"	"	"	"	"	"	
Carbon tetrachloride	ND		"	"	"	"	"	"	
Chlorobenzene	ND		"	"	"	,,	"	"	
Chloroethane	ND		"	"	"	,,	"	"	
Chloroform	ND		"	"	"	"	"	"	
Chloromethane	ND		,,	"	,,	,,	"	"	
cis-1,2-Dichloroethene	ND		,,	,,	"	,,	"	"	
C15-1,2-DICHIOLOGUICHE	ND	1.0							

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360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG2-20 (4D93001-04) Air	Sampled: 04/30/09 09:52	Analyzed: 04/30/0	9 10:08						
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Frichloroethene	17	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethan	ne	101 %	75	i-125	"	"	"	"	
Surrogate: Toluene-d8		87.3 %	75	-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzen	e	98.9 %	75	i-125	"	"	"	"	



360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG3-20 (4D93001-05) Air	Sampled: 04/30/09 10:18	Analyzed: 04/30/0	9 10:34						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG3-20 (4D93001-05) Air	Sampled: 04/30/09 10:18	Analyzed: 04/30/0	9 10:34						
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethan	ne	108 %	7.5	5-125	"	"	"	"	
Surrogate: Toluene-d8		84.2 %	73	5-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	e	101 %	75	5-125	"	"	"	"	



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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG4-20 (4D93001-06) Air	Sampled: 04/30/09 10:43 A	nalyzed: 04/30/0	9 11:00						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	1.0	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	,,	"	"	"	"	

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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG4-20 (4D93001-06) Air	Sampled: 04/30/09 10:43	Analyzed: 04/30/0	9 11:00						
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	1.0	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethan	e	112 %	75	5-125	"	"	"	"	
Surrogate: Toluene-d8		89.3 %	75	5-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	2	108 %	75	5-125	"	"	"	"	



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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG5-20 (4D93001-07) Air	Sampled: 04/30/09 11:10	Analyzed: 04/30/0							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"		"	
2,2-Dichloropropane	ND	1.0	"	"	"	"		"	
2-Chlorotoluene	ND	1.0	"	"	"	"		"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND		"	"	"	"	"	"	
Bromodichloromethane	ND		"	"	"	"	"	"	
Bromoform	ND		"	"	"	"	"	"	
Bromomethane	ND		"	"	"	"	"	"	
Carbon disulfide	ND		"	"	"	"	"	"	
Carbon tetrachloride	ND		"	"	"	"	"	"	
Chlorobenzene	ND		"	"	"	"	"	"	
Chloroethane	ND		"	"	"	"	"	"	
Chloroform	ND		"	"	"	"	"	"	
Chloromethane	ND		"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		,,	,,	,,	"	"	"	

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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG5-20 (4D93001-07) Air	Sampled: 04/30/09 11:10	Analyzed: 04/30/0	9 11:26						
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Γetrachloroethene	ND	1.0	"	"	"	"	"	"	
Гoluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
rans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Γrichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethan	ne	106 %	75	5-125	"	"	"	"	
Surrogate: Toluene-d8		86.7 %	75	5-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzen	е	99.4 %	75	5-125	"	"	"	"	

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Volatile Organic Compounds

Environmental Support Technologies

	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG6-20 (4D93001-08) Air	Sampled: 04/30/09 11:37	Analyzed: 04/30/0	9 11:53						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.0	"	"	"	"		"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"		"	
1,2-Dichloroethane	ND	1.0	"	"	"	"		"	
1,2-Dichloropropane	ND	1.0	"	"	"	"		"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"		"	
1,3-Dichloropropane	ND	1.0	"	"	"	"		"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	,,	"	"	"	"	
Chloroethane	ND	1.0	"	,,	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	,,	,,	,,	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	,,	,,	,,	"	"	"	

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Volatile Organic Compounds

Environmental Support Technologies

		Reporting				_			NI.
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG6-20 (4D93001-08) Air	Sampled: 04/30/09 11:37	Analyzed: 04/30/0	9 11:53						
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethan	ie	99.3 %	75	5-125	"	"	"	"	
Surrogate: Toluene-d8		89.3 %	75	5-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzen	е	96.6 %	75	5-125	"	"	"	"	

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Volatile Organic Compounds

Environmental Support Technologies

Yay-SG7-20 (4D93001-09) Air Sampled: 04/30/09 12:02 Analyzed: 04/30/09 12:18 1,1,1,2-Tetrachlorocthane ND 1,0 ugl 1 49D3001 04/30/09 04/30/09 EPA 8260B 1,1,1,1-Tichlorocthane ND 1,0 " " " " " " " 1,1,2-Trichlorocthane ND 1,0 " " " " " " " 1,1,2-Trichlorocthane ND 1,0 " " " " " " " " 1,1,2-Trichlorocthane ND 1,0 " " " " " " " " " 1,1,2-Trichlorocthane ND 1,0 " " " " " " " " "	Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1-Trichloroethane	Y19-SG7-20 (4D93001-09) Air	Sampled: 04/30/09 12:02	Analyzed: 04/30/0	9 12:18						
1,1,2,2-Terichloroethane	,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
1,12-Trichlorocthane	,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane ND 1,0 "	,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane ND 1,0 "	,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1.1-Dichloroethene	,1,2-Trichloro-trifluoroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane ND 1,0 """"""""""""""""""""""""""""""""""""	,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene ND 1,0 """"""""""""""""""""""""""""""""""""	,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene ND 1,0 " <td>,2,3-Trichloropropane</td> <td>ND</td> <td>1.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane ND 1,0 " " " " " " " " "	,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane ND 1,0 "	,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane ND 1,0 "	,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane ND 1.0 "		ND	1.0	"	"	"	"		"	
1,2-Dichloropropane ND 1.0 "	,2-Dichlorobenzene	ND	1.0	"	"	"	"		"	
1,3,5-Trimethylbenzene ND 1.0 " <td>,2-Dichloroethane</td> <td>ND</td> <td>1.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> <td>"</td> <td></td>	,2-Dichloroethane	ND	1.0	"	"	"	"		"	
1,3-Dichlorobenzene ND 1.0 "	,2-Dichloropropane	ND	1.0	"	"	"	"		"	
1,3-Dichlorobenzene ND 1.0 "	,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloroptoplane ND 1.0 "		ND	1.0	"	"	"	"		"	
2,2-Dichloropropane ND 1.0 " <td>,3-Dichloropropane</td> <td>ND</td> <td>1.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> <td>"</td> <td></td>	,3-Dichloropropane	ND	1.0	"	"	"	"		"	
2-Chlorotoluene ND 1.0 "	,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene ND 1.0 "	2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Benzene ND 1.0 "		ND	1.0	"	"	"	"	"	"	
Bromobenzene ND 1.0 "	l-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane ND 1.0 "	Benzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane ND 1.0 "	Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane ND 1.0 "	Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform ND 1.0 " <t< td=""><td></td><td></td><td></td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<>				"	"	"	"	"	"	
Bromomethane ND 1.0 "				"	"	"	"	,,	"	
Carbon disulfide ND 1.0 "				"	,,	"	"	"	"	
Carbon tetrachloride ND 1.0 "				"	,,	"	"	"	"	
Chlorobenzene ND 1.0 "				"	,,	"	"	"	"	
Chloroethane ND 1.0 "				"	,,	"	"	"	"	
Chloroform ND 1.0 " " " " " "				"	,,	"	"	"	"	
				"	"	"	"	"	"	
Chloromethane ND 1.0 " " " " " "				,,	,,	,,	,,	"	"	
cis-1,2-Dichloroethene ND 1.0 " " " " " "				,,	,,	,,	,,	"	"	

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360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Y19-SG7-20 (4D93001-09) Air	Sampled: 04/30/09 12:02	Analyzed: 04/30/0	9 12:18						
cis-1,3-Dichloropropene	ND	1.0	ug/l	1	49D3001	04/30/09	04/30/09	EPA 8260B	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
meta- and para-Xylenes	ND	1.0	"	"	"	"	"	"	
Methylene Chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
ortho-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl Chloride	ND	1.0	"	"	"	"	"	"	
2-Propanol	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethan	ne	108 %	75	-125	"	"	"	"	
Surrogate: Toluene-d8		85.2 %	75	-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzen	e	101 %	75	-125	"	"	"	"	

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360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Ratch	39D3001	- Volatiles

Blank (39D3001-BLK1)				Prepared & Analyzed: 04/30/09
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	
1,1,1-Trichloroethane	ND	1.0	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	
1,1,2-Trichloroethane	ND	1.0	"	
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	
1,1-Dichloroethane	ND	1.0	"	
1,1-Dichloroethene	ND	1.0	"	
1,1-Dichloropropene	ND	1.0	"	
1,2,3-Trichlorobenzene	ND	1.0	"	
1,2,3-Trichloropropane	ND	1.0	"	
1,2,4-Trichlorobenzene	ND	1.0	"	
1,2,4-Trimethylbenzene	ND	1.0	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	
1,2-Dibromoethane	ND	1.0	"	
1,2-Dichlorobenzene	ND	1.0	"	
1,2-Dichloroethane	ND	1.0	"	
1,2-Dichloropropane	ND	1.0	"	
1,3,5-Trimethylbenzene	ND	1.0	"	
1,3-Dichlorobenzene	ND	1.0	"	
1,3-Dichloropropane	ND	1.0	"	
1,4-Dichlorobenzene	ND	1.0	"	
2,2-Dichloropropane	ND	1.0	"	
2-Chlorotoluene	ND	1.0	"	
4-Chlorotoluene	ND	1.0	"	
Benzene	ND	1.0	"	
Bromobenzene	ND	1.0	"	
Bromochloromethane	ND	1.0	"	
Bromodichloromethane	ND	1.0	"	
Bromoform	ND	1.0	"	
Bromomethane	ND	1.0	"	
Carbon disulfide	ND	1.0	"	
Carbon tetrachloride	ND	1.0	"	
Chlorobenzene	ND	1.0	"	

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360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds - Quality Control Environmental Support Technologies

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Blank (39D3001-BLK1)				Prepared & Anal	lyzed: 04/30/09	
Chloroethane	ND	1.0	ug/l			
Chloroform	ND	1.0	"			
Chloromethane	ND	1.0	"			
is-1,2-Dichloroethene	ND	1.0	"			
s-1,3-Dichloropropene	ND	1.0	"			
ibromochloromethane	ND	1.0	"			
bromomethane	ND	1.0	"			
chlorodifluoromethane	ND	1.0	"			
hylbenzene	ND	1.0	"			
exachlorobutadiene	ND	1.0	"			
opropylbenzene	ND	1.0	"			
ta- and para-Xylenes	ND	1.0	"			
ethylene Chloride	ND	1.0	"			
aphthalene	ND	1.0	"			
Butylbenzene	ND	1.0	"			
Propylbenzene	ND	1.0	"			
ho-Xylene	ND	1.0	"			
sopropyltoluene	ND	1.0	"			
-Butylbenzene	ND	1.0	"			
rene	ND	1.0	"			
t-Butylbenzene	ND	1.0	"			
trachloroethene	ND	1.0	"			
luene	ND	1.0	"			
ns-1,2-Dichloroethene	ND	1.0	"			
ns-1,3-Dichloropropene	ND	1.0	"			
ichloroethene	ND	1.0	"			
ichlorofluoromethane	ND	1.0	"			
nyl Chloride	ND	1.0	"			
Propanol	ND	10	"			
rrogate: Dibromofluoromethane	12.3		"	12.5	98.6	75-125
rrogate: Toluene-d8	12.5		"	12.5	99.8	75-125
Surrogate: 4-Bromofluorobenzene	12.3		"	12.5	98.4	75-12

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360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds - Quality Control Environmental Support Technologies

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

LCS (39D3001-BS1)				Prepared & Anal	lyzed: 04/30/09		
1,1,1,2-Tetrachloroethane	13.6	1.0	ug/l	12.5	109	75-136	
1,1,1-Trichloroethane	13.3	1.0	"	12.5	107	73-134	
1,1,2,2-Tetrachloroethane	15.6	1.0	"	12.5	125	56-149	
1,1,2-Trichloroethane	16.0	1.0	"	12.5	128	67-137	
1,1,2-Trichloro-trifluoroethane	14.9	1.0	"	12.5	119	83-125	
1,1-Dichloroethane	13.5	1.0	"	12.5	108	80-121	
1,1-Dichloroethene	12.7	1.0	"	12.5	102	73-137	
1,1-Dichloropropene	13.4	1.0	"	12.5	107	77-122	
1,2,3-Trichlorobenzene	14.8	1.0	"	12.5	118	67-133	
1,2,3-Trichloropropane	15.1	1.0	"	12.5	121	56-145	
1,2,4-Trichlorobenzene	12.6	1.0	"	12.5	100	71-135	
1,2,4-Trimethylbenzene	11.8	1.0	"	12.5	94.5	76-120	
1,2-Dibromo-3-chloropropane	12.1	1.0	"	12.5	96.7	43-158	
1,2-Dibromoethane	16.3	1.0	"	12.5	131	80-123	QL-
1,2-Dichlorobenzene	13.1	1.0	"	12.5	104	67-139	
1,2-Dichloroethane	12.2	1.0	"	12.5	97.8	75-131	
1,2-Dichloropropane	13.3	1.0	"	12.5	106	62-144	
1,3,5-Trimethylbenzene	12.6	1.0	"	12.5	101	78-125	
1,3-Dichlorobenzene	13.3	1.0	"	12.5	106	82-120	
1,3-Dichloropropane	18.1	1.0	"	12.5	144	61-145	
1,4-Dichlorobenzene	12.9	1.0	"	12.5	103	84-120	
2,2-Dichloropropane	12.0	1.0	"	12.5	95.9	76-134	
2-Chlorotoluene	12.6	1.0	"	12.5	101	78-127	
4-Chlorotoluene	12.6	1.0	"	12.5	101	77-127	
Benzene	12.5	1.0	"	12.5	100	79-118	
Bromobenzene	13.3	1.0	"	12.5	107	69-140	
Bromochloromethane	13.5	1.0	"	12.5	108	61-141	
Bromodichloromethane	13.5	1.0	"	12.5	108	67-137	
Bromoform	14.0	1.0	"	12.5	112	57-152	
Bromomethane	9.72	1.0	"	12.5	77.8	51-148	
Carbon disulfide	12.9	1.0	"	12.5	103	61-140	
Carbon tetrachloride	13.2	1.0	"	12.5	106	74-143	
Chlorobenzene	12.9	1.0	"	12.5	103	67-140	

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360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds - Quality Control Environmental Support Technologies

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

LCS (39D3001-BS1)				Prepared & Ana	lyzed: 04/30/09	
Chloroethane	12.3	1.0	ug/l	12.5	98.3	60-137
Chloroform	13.7	1.0	"	12.5	110	82-119
Chloromethane	13.6	1.0	"	12.5	109	58-139
cis-1,2-Dichloroethene	13.4	1.0	"	12.5	107	85-116
eis-1,3-Dichloropropene	13.9	1.0	"	12.5	111	66-142
Dibromochloromethane	13.1	1.0	"	12.5	105	61-140
Dibromomethane	16.5	1.0	"	12.5	132	66-143
pichlorodifluoromethane	10.8	1.0	"	12.5	86.2	47-129
thylbenzene	12.6	1.0	"	12.5	101	83-115
Hexachlorobutadiene	12.7	1.0	"	12.5	101	71-145
sopropylbenzene	12.4	1.0	"	12.5	99.0	85-116
neta- and para-Xylenes	24.0	1.0	"	25.0	96.2	83-115
lethylene Chloride	13.7	1.0	"	12.5	110	81-126
aphthalene	14.6	1.0	"	12.5	117	56-136
Butylbenzene	12.8	1.0	"	12.5	102	60-149
Propylbenzene	12.6	1.0	"	12.5	100	77-129
ho-Xylene	13.4	1.0	"	12.5	107	85-115
sopropyltoluene	12.4	1.0	"	12.5	99.6	63-144
e-Butylbenzene	12.6	1.0	"	12.5	100	78-128
yrene	12.5	1.0	"	12.5	99.9	65-142
rt-Butylbenzene	12.6	1.0	"	12.5	100	79-128
etrachloroethene	13.0	1.0	"	12.5	104	66-144
luene	12.4	1.0	"	12.5	99.0	70-115
nns-1,2-Dichloroethene	12.8	1.0	"	12.5	102	72-133
nns-1,3-Dichloropropene	15.8	1.0	"	12.5	126	68-140
richloroethene	13.7	1.0	"	12.5	110	68-132
richlorofluoromethane	13.2	1.0	"	12.5	106	62-144
inyl Chloride	12.8	1.0	"	12.5	102	66-137
urrogate: Dibromofluoromethane	12.7		"	12.5	101	75-125
ırrogate: Toluene-d8	12.6		"	12.5	101	75-125
rrogate: 4-Bromofluorobenzene	12.5		"	12.5	100	75-125

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360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds - Quality Control Environmental Support Technologies

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Duplicate (39D3001-DUP1)	Source	: 3D93001-0	03	Prepared & Analyzed: 04/30/09	
,1,1,2-Tetrachloroethane	ND	1.0	ug/l	ND	50
,1,1-Trichloroethane	ND	1.0	"	ND	50
,1,2,2-Tetrachloroethane	ND	1.0	"	ND	50
,1,2-Trichloroethane	ND	1.0	"	ND	50
,1,2-Trichloro-trifluoroethane	ND	1.0	"	ND	50
,1-Dichloroethane	ND	1.0	"	ND	50
1-Dichloroethene	ND	1.0	"	ND	50
1-Dichloropropene	ND	1.0	"	ND	50
,2,3-Trichlorobenzene	ND	1.0	"	ND	50
,2,3-Trichloropropane	ND	1.0	"	ND	50
,2,4-Trichlorobenzene	ND	1.0	"	ND	50
2,4-Trimethylbenzene	ND	1.0	"	ND	50
2-Dibromo-3-chloropropane	ND	1.0	"	ND	50
2-Dibromoethane	ND	1.0	"	ND	50
2-Dichlorobenzene	ND	1.0	"	ND	50
2-Dichloroethane	ND	1.0	"	ND	50
2-Dichloropropane	ND	1.0	"	ND	50
3,5-Trimethylbenzene	ND	1.0	"	ND	50
3-Dichlorobenzene	ND	1.0	"	ND	50
3-Dichloropropane	ND	1.0	"	ND	50
4-Dichlorobenzene	ND	1.0	"	ND	50
2-Dichloropropane	ND	1.0	"	ND	50
-Chlorotoluene	ND	1.0	"	ND	50
-Chlorotoluene	ND	1.0	"	ND	50
enzene	ND	1.0	"	ND	50
romobenzene	ND	1.0	"	ND	50
romochloromethane	ND	1.0	"	ND	50
romodichloromethane	ND	1.0	"	ND	50
romoform	ND	1.0	"	ND	50
romomethane	ND	1.0	"	ND	50
arbon disulfide	ND	1.0	"	ND	50
arbon tetrachloride	ND	1.0	"	ND	50
hlorobenzene	ND	1.0	"	ND	50

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360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds - Quality Control Environmental Support Technologies

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Duplicate (39D3001-DUP1)	Source	e: 3D93001-0)3	Prepared &	Analyzed:	04/30/09				
Chloroethane	ND	1.0	ug/l		ND				50	
Chloroform	ND	1.0	"		ND				50	
Chloromethane	ND	1.0	"		ND				50	
cis-1,2-Dichloroethene	ND	1.0	"		ND				50	
cis-1,3-Dichloropropene	ND	1.0	"		ND				50	
Dibromochloromethane	ND	1.0	"		ND				50	
Dibromomethane	ND	1.0	"		ND				50	
Dichlorodifluoromethane	ND	1.0	"		ND				50	
Ethylbenzene	ND	1.0	"		ND				50	
Hexachlorobutadiene	ND	1.0	"		ND				50	
Isopropylbenzene	ND	1.0	"		ND				50	
meta- and para-Xylenes	0.160	1.0	"		0.200			22.2	50	
Methylene Chloride	ND	1.0	"		ND				50	
Naphthalene	ND	1.0	"		ND				50	
n-Butylbenzene	ND	1.0	"		ND				50	
n-Propylbenzene	ND	1.0	"		ND				50	
ortho-Xylene	ND	1.0	"		ND				50	
p-Isopropyltoluene	ND	1.0	"		ND				50	
sec-Butylbenzene	ND	1.0	"		ND				50	
Styrene	ND	1.0	"		ND				50	
tert-Butylbenzene	ND	1.0	"		ND				50	
Tetrachloroethene	0.690	1.0	"		1.25			57.7	50	QR-0
Toluene	0.270	1.0	"		0.290			7.14	50	
trans-1,2-Dichloroethene	ND	1.0	"		ND				50	
trans-1,3-Dichloropropene	ND	1.0	"		ND				50	
Trichloroethene	ND	1.0	"		ND				50	
Trichlorofluoromethane	ND	1.0	"		ND				50	
Vinyl Chloride	ND	1.0	"		ND				50	
2-Propanol	ND	10	"		ND				200	
Surrogate: Dibromofluoromethane	13.0		"	12.5		104	75-125			
Surrogate: Toluene-d8	12.6		"	12.5		101	75-125			
Surrogate: 4-Bromofluorobenzene	12.4		"	12.5		99.4	75-125			

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360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds - Quality Control Environmental Support Technologies

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Blank (49D3001-BLK1)				Prepared & Analyzed:
1,1,2-Tetrachloroethane	ND	1.0	ug/l	Trepared & Tillaryzed. 04.
1,1,1-Trichloroethane	ND	1.0	"	
1,1,2,2-Tetrachloroethane	ND	1.0	,,	
1,1,2-Trichloroethane	ND	1.0		
1,1,2-Trichloro-trifluoroethane	ND	1.0	"	
1,1-Dichloroethane	ND	1.0	"	
1,1-Dichloroethene	ND	1.0	"	
1,1-Dichloropropene	ND	1.0	"	
1,2,3-Trichlorobenzene	ND	1.0		
1,2,3-Trichloropropane	ND	1.0		
1,2,4-Trichlorobenzene	ND	1.0		
1,2,4-Trimethylbenzene	ND	1.0		
1,2-Dibromo-3-chloropropane	ND	1.0		
1,2-Dibromoethane	ND	1.0		
1,2-Dichlorobenzene	ND	1.0		
1,2-Dichloroethane	ND	1.0	"	
,2-Dichloropropane	ND	1.0	"	
,3,5-Trimethylbenzene	ND	1.0	"	
,3-Dichlorobenzene	ND	1.0	"	
1,3-Dichloropropane	ND	1.0	"	
1,4-Dichlorobenzene	ND	1.0	"	
2,2-Dichloropropane	ND	1.0	"	
2-Chlorotoluene	ND	1.0	"	
4-Chlorotoluene	ND	1.0	"	
Benzene	ND	1.0	"	
Bromobenzene	ND	1.0	"	
Bromochloromethane	ND	1.0	"	
Bromodichloromethane	ND	1.0	"	
Bromoform	ND	1.0	"	
Bromomethane	ND	1.0	"	
Carbon disulfide	ND	1.0	"	
Carbon tetrachloride	ND	1.0	"	
Chlorobenzene	ND	1.0	"	

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360 GoddardProject Number:EST2736Reported:Irvine, California 92618Project Manager:Mr. Michael Marello07-May-09 13:04

Volatile Organic Compounds - Quality Control Environmental Support Technologies

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Blank (49D3001-BLK1)					Prepared & Anal	Prepared & Analyzed: 04/30/09
Chloroethane	ND	1.0	ug/l			
Chloroform	ND	1.0	"			
Chloromethane	ND	1.0	"			
cis-1,2-Dichloroethene	ND	1.0	"			
cis-1,3-Dichloropropene	ND	1.0	"			
Dibromochloromethane	ND	1.0	"			
Dibromomethane	ND	1.0	"			
Dichlorodifluoromethane	ND	1.0	"			
Ethylbenzene	ND	1.0	"			
Hexachlorobutadiene	ND	1.0	"			
Isopropylbenzene	ND	1.0	"			
meta- and para-Xylenes	ND	1.0	"			
Methylene Chloride	ND	1.0	"			
Naphthalene	ND	1.0	"			
n-Butylbenzene	ND	1.0	"			
n-Propylbenzene	ND	1.0	"			
ortho-Xylene	ND	1.0	"			
p-Isopropyltoluene	ND	1.0	"			
sec-Butylbenzene	ND	1.0	"			
Styrene	ND	1.0	"			
tert-Butylbenzene	ND	1.0	"			
Tetrachloroethene	ND	1.0	"			
Toluene	ND	1.0	"			
trans-1,2-Dichloroethene	ND	1.0	"			
trans-1,3-Dichloropropene	ND	1.0	"			
Trichloroethene	ND	1.0	"			
Trichlorofluoromethane	ND	1.0	"			
Vinyl Chloride	ND	1.0	"			
2-Propanol	ND	10	"			
Surrogate: Dibromofluoromethane	12.6		"	12.	.5	.5 101
Surrogate: Toluene-d8	11.3		"	12.	5	5 90.6
Surrogate: 4-Bromofluorobenzene	12.2		"	12	2.5	2.5 97.2

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Volatile Organic Compounds - Quality Control Environmental Support Technologies

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

LCS (49D3001-BS1)				Prepared & Ana	lyzed: 04/30/09	
1,1,1,2-Tetrachloroethane	12.9	1.0	ug/l	12.5	103	75-136
1,1,1-Trichloroethane	12.9	1.0	"	12.5	103	73-134
,1,2,2-Tetrachloroethane	11.5	1.0	"	12.5	92.2	56-149
,1,2-Trichloroethane	12.8	1.0	"	12.5	102	67-137
,1,2-Trichloro-trifluoroethane	14.3	1.0	"	12.5	114	83-125
,1-Dichloroethane	12.5	1.0	"	12.5	99.7	80-121
,1-Dichloroethene	12.9	1.0	"	12.5	103	73-137
,1-Dichloropropene	12.6	1.0	"	12.5	101	77-122
,2,3-Trichlorobenzene	13.0	1.0	"	12.5	104	67-133
2,3-Trichloropropane	11.9	1.0	"	12.5	95.0	56-145
2,4-Trichlorobenzene	12.8	1.0	"	12.5	102	71-135
2,4-Trimethylbenzene	12.3	1.0	"	12.5	98.1	76-120
,2-Dibromo-3-chloropropane	13.7	1.0	"	12.5	110	43-158
2-Dibromoethane	12.7	1.0	"	12.5	102	80-123
2-Dichlorobenzene	12.5	1.0	"	12.5	99.8	67-139
2-Dichloroethane	12.2	1.0	"	12.5	97.9	75-131
2-Dichloropropane	12.2	1.0	"	12.5	97.7	62-144
3,5-Trimethylbenzene	12.9	1.0	"	12.5	103	78-125
3-Dichlorobenzene	12.6	1.0	"	12.5	101	82-120
3-Dichloropropane	12.3	1.0	"	12.5	98.3	61-145
,4-Dichlorobenzene	12.6	1.0	"	12.5	101	84-120
,2-Dichloropropane	10.7	1.0	"	12.5	85.3	76-134
-Chlorotoluene	13.1	1.0	"	12.5	105	78-127
-Chlorotoluene	12.6	1.0	"	12.5	101	77-127
enzene	12.0	1.0	"	12.5	95.7	79-118
romobenzene	12.6	1.0	"	12.5	100	69-140
romochloromethane	11.4	1.0	"	12.5	91.5	61-141
romodichloromethane	13.1	1.0	"	12.5	105	67-137
romoform	12.7	1.0	"	12.5	102	57-152
romomethane	12.3	1.0	"	12.5	98.2	51-148
arbon disulfide	12.0	1.0	"	12.5	96.0	61-140
arbon tetrachloride	11.8	1.0	"	12.5	94.7	74-143
Chlorobenzene	12.6	1.0	"	12.5	101	67-140

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Volatile Organic Compounds - Quality Control Environmental Support Technologies

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

LCS (49D3001-BS1)				Prepared & Anal	lyzed: 04/30/09	
Chloroethane	13.2	1.0	ug/l	12.5	105	60-137
Chloroform	12.8	1.0	"	12.5	102	82-119
Chloromethane	17.0	1.0	"	12.5	136	58-139
cis-1,2-Dichloroethene	12.8	1.0	"	12.5	103	85-116
cis-1,3-Dichloropropene	12.5	1.0	"	12.5	99.9	66-142
Dibromochloromethane	13.2	1.0	"	12.5	106	61-140
Dibromomethane	13.0	1.0	"	12.5	104	66-143
Dichlorodifluoromethane	10.7	1.0	"	12.5	85.8	47-129
Ethylbenzene	12.6	1.0	"	12.5	101	83-115
Hexachlorobutadiene	13.8	1.0	"	12.5	110	71-145
sopropylbenzene	12.8	1.0	"	12.5	102	85-116
neta- and para-Xylenes	25.2	1.0	"	25.0	101	83-115
Methylene Chloride	12.4	1.0	"	12.5	99.6	81-126
Japhthalene	12.0	1.0	"	12.5	95.9	56-136
-Butylbenzene	12.8	1.0	"	12.5	102	60-149
Propylbenzene	12.8	1.0	"	12.5	102	77-129
tho-Xylene	12.9	1.0	"	12.5	103	85-115
-Isopropyltoluene	12.8	1.0	"	12.5	102	63-144
ec-Butylbenzene	12.7	1.0	"	12.5	102	78-128
Styrene	12.7	1.0	"	12.5	101	65-142
ert-Butylbenzene	12.8	1.0	"	12.5	103	79-128
Γetrachloroethene	13.8	1.0	"	12.5	110	66-144
Coluene	12.2	1.0	"	12.5	97.4	70-115
rans-1,2-Dichloroethene	12.4	1.0	"	12.5	99.4	72-133
rans-1,3-Dichloropropene	12.3	1.0	"	12.5	98.4	68-140
richloroethene	12.7	1.0	"	12.5	101	68-132
richlorofluoromethane	13.2	1.0	"	12.5	106	62-144
inyl Chloride	12.9	1.0	"	12.5	103	66-137
urrogate: Dibromofluoromethane	12.2		"	12.5	97.6	75-125
Surrogate: Toluene-d8	11.6		"	12.5	93.0	75-125
Surrogate: 4-Bromofluorobenzene	12.3		"	12.5	98.2	75-125

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Volatile Organic Compounds - Quality Control Environmental Support Technologies

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Ouplicate (49D3001-DUP1)	Source	e: 4D93001-0)3	Prepared & Analyzed: 04/30/09		
,1,1,2-Tetrachloroethane	ND	1.0	ug/l	ND		50
,1,1-Trichloroethane	ND	1.0	"	ND		50
,1,2,2-Tetrachloroethane	ND	1.0	"	ND		50
,1,2-Trichloroethane	ND	1.0	"	ND		50
,1,2-Trichloro-trifluoroethane	ND	1.0	"	ND		50
,1-Dichloroethane	ND	1.0	"	ND		50
,1-Dichloroethene	ND	1.0	"	ND		50
,1-Dichloropropene	ND	1.0	"	ND		50
,2,3-Trichlorobenzene	ND	1.0	"	ND		50
,2,3-Trichloropropane	ND	1.0	"	ND		50
,2,4-Trichlorobenzene	ND	1.0	"	ND		50
,2,4-Trimethylbenzene	0.160	1.0	"	0.150	6.45	50
,2-Dibromo-3-chloropropane	ND	1.0	"	ND		50
,2-Dibromoethane	ND	1.0	"	ND		50
,2-Dichlorobenzene	ND	1.0	"	ND		50
,2-Dichloroethane	ND	1.0	"	ND		50
2-Dichloropropane	ND	1.0	"	ND		50
3,5-Trimethylbenzene	0.110	1.0	"	0.100	9.52	50
,3-Dichlorobenzene	ND	1.0	"	ND		50
,3-Dichloropropane	ND	1.0	"	ND		50
₃ 4-Dichlorobenzene	ND	1.0	"	ND		50
,2-Dichloropropane	ND	1.0	"	ND		50
-Chlorotoluene	ND	1.0	"	ND		50
-Chlorotoluene	ND	1.0	"	ND		50
enzene	ND	1.0	"	ND		50
romobenzene	ND	1.0	"	ND		50
romochloromethane	ND	1.0	"	ND		50
romodichloromethane	ND	1.0	"	ND		50
romoform	ND	1.0	"	ND		50
romomethane	ND	1.0	"	ND		50
arbon disulfide	ND	1.0	"	ND		50
Carbon tetrachloride	ND	1.0	"	ND		50
Chlorobenzene	ND	1.0	"	ND		50

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Volatile Organic Compounds - Quality Control Environmental Support Technologies

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Ouplicate (49D3001-DUP1)	Source: 4D93001-03			Prepared & A	Analyzed:	04/30/09			
Chloroethane	ND	1.0	ug/l	1	ND				50
Chloroform	ND	1.0	"		ND				50
Chloromethane	ND	1.0	"		ND				50
sis-1,2-Dichloroethene	ND	1.0	"		ND				50
sis-1,3-Dichloropropene	ND	1.0	"		ND				50
Dibromochloromethane	ND	1.0	"		ND				50
bibromomethane	ND	1.0	"		ND				50
pichlorodifluoromethane	ND	1.0	"		ND				50
thylbenzene	0.110	1.0	"		0.110			0.00	50
Iexachlorobutadiene	ND	1.0	"		ND				50
sopropylbenzene	ND	1.0	"		ND				50
neta- and para-Xylenes	0.270	1.0	"		0.270			0.00	50
fethylene Chloride	ND	1.0	"		ND				50
aphthalene	ND	1.0	"		ND				50
Butylbenzene	ND	1.0	"		ND				50
Propylbenzene	ND	1.0	"		ND				50
rtho-Xylene	ND	1.0	"		ND				50
-Isopropyltoluene	ND	1.0	"		ND				50
ec-Butylbenzene	ND	1.0	"		ND				50
tyrene	ND	1.0	"		ND				50
rt-Butylbenzene	ND	1.0	"		ND				50
etrachloroethene	ND	1.0	"		ND				50
oluene	0.190	1.0	"		0.190			0.00	50
ans-1,2-Dichloroethene	ND	1.0	"		ND				50
ans-1,3-Dichloropropene	ND	1.0	"		ND				50
richloroethene	ND	1.0	"		ND				50
richlorofluoromethane	ND	1.0	"		ND				50
inyl Chloride	ND	1.0	"		ND				50
-Propanol	ND	10	"		ND				200
urrogate: Dibromofluoromethane	12.8		"	12.5		102	75-125		
urrogate: Toluene-d8	10.8		"	12.5		86.1	75-125		
urrogate: 4-Bromofluorobenzene	12.4		"	12.5		98.8	75-125		

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360 Goddard Project Number: EST2736 Reported:
Irvine, California 92618 Project Manager: Mr. Michael Marello 07-May-09 13:04

Notes and Definitions

QR-04 The RPD result for this analyte in the sample exceeded the QC control limits; however, the RPD for other analytes were within the

QC control limits.

QL-H The spike recovery was out high for the LCS and/or the LCSD; however the analyte was not detected in any of the analyzed

samples.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
39D3001-DUP1	8260B (SG)	Tetrachloroethene	QR-04: The RPD result for this analyte in the sample exceeded the QC control limits; however, the RP
39D3001-BS1	8260B (SG)	1,2-Dibromoethane	QL-H: The spike recovery was out high for the LCS and/or the LCSD; however the analyte was not detec
39D3001-DUP1	8260B (SG)	Tetrachloroethene	Exceeds RPD limit
39D3001-BS1	8260B (SG)	1,2-Dibromoethane	Exceeds upper control limit
			VERSION 5.8.5:2734
			Default Report (not modified)